

Title (en)  
NON-GRAIN-ORIENTED HIGHER-STRENGTH ELECTRICAL STRIP WITH HIGH POLARISATION AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
NICHTKORNIORIENTIERTES HÖHERFESTER ELEKTROBAND MIT HOHER POLARISATION UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
BANDE MAGNÉTIQUE DE RÉSISTANCE SUPÉRIEURE, À GRAINS NON ORIENTÉS ET DE POLARISATION ÉLEVÉE, ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication  
**EP 2756106 A1 20140723 (DE)**

Application  
**EP 12759723 A 20120917**

Priority

- DE 102011053723 A 20110916
- EP 2012068276 W 20120917

Abstract (en)  
[origin: WO2013038020A1] The invention relates to a higher-strength, non-grain-oriented electrical strip with high polarisation, the electrical strip consisting of a steel alloy, wherein the limits of the following elements are maintained: Mn between 0.35 mass % and 0.65 mass %, Si between 2.0 mass % and 3.0 mass %, Al between 0.8 mass % and 1.4 mass %, and P between 0.14 mass % and 0.24 mass %. The invention also relates to a method for the production thereof.

IPC 8 full level  
**C21D 8/12** (2006.01); **C21D 9/46** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01)

CPC (source: EP US)  
**C21D 8/1244** (2013.01 - US); **C21D 8/1272** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C22C 1/02** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **G01N 21/643** (2013.01 - EP US); **H01F 1/14766** (2013.01 - US); **H01F 41/0213** (2013.01 - US); **H02K 15/02** (2013.01 - US); **C21D 2201/05** (2013.01 - EP US); **C22C 38/001** (2013.01 - US); **C22C 38/002** (2013.01 - US); **C22C 38/004** (2013.01 - US); **C22C 38/008** (2013.01 - US); **C22C 38/08** (2013.01 - US); **C22C 38/12** (2013.01 - US); **C22C 38/14** (2013.01 - US); **C22C 38/16** (2013.01 - US); **C22C 38/20** (2013.01 - US); **C22C 38/22** (2013.01 - US); **C22C 38/24** (2013.01 - US); **C22C 38/26** (2013.01 - US); **C22C 38/28** (2013.01 - US); **C22C 38/32** (2013.01 - US); **C22C 38/34** (2013.01 - US); **C22C 38/42** (2013.01 - US); **C22C 38/44** (2013.01 - US); **C22C 38/46** (2013.01 - US); **C22C 38/48** (2013.01 - US); **C22C 38/50** (2013.01 - US); **C22C 38/54** (2013.01 - US); **G01N 21/6408** (2013.01 - EP US); **Y10T 29/49012** (2015.01 - EP US); **Y10T 29/4902** (2015.01 - EP US)

Citation (search report)  
See references of WO 2013038020A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2013038020 A1 20130321**; EP 2756106 A1 20140723; MX 2014003159 A 20140521; US 2014373340 A1 20141225

DOCDB simple family (application)  
**EP 2012068276 W 20120917**; EP 12759723 A 20120917; MX 2014003159 A 20120917; US 201214344952 A 20120917